

DD/S has authority to approve this contract although it now exceeds the \$150,000 approval level for R&D activities, under the provision whereby DD/S may - -

" Approve incremental reprogramming of funds within the Offices of the Support Directorate not exceeding a total of 10% of an Office allotment".

This is an increase of \$80,000 over the initial contract cost approved by DD/S in the amount of \$125,000.

  
F.H.M.

SECRET

00-4174  
25 OCT 1965

MEMORANDUM FOR: Deputy Director for Support  
SUBJECT : Research and Development Project  
Approval, CS-C-8247

Attached is a Research and Development Project for  
Design and Installation of an Acoustic Anechoic Chamber at  
[REDACTED] CS-C-8247. After you have  
approved the project described herein, please return it to  
me and I will forward supporting documents to the Office of  
Logistics for contractual action.

[REDACTED]  
Director of Communications

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Attachment:  
Project Outline "Design and Installation of an  
Acoustic Anechoic Chamber at [REDACTED]  
Incorporated, CS-C-8247"

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Distribution:

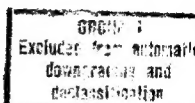
Original - D/GO

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OFFICE OF COMMUNICATIONS  
RESEARCH AND DEVELOPMENT  
PROJECT APPROVAL

PROJECT:

Design and Installation of an Acoustic Anechoic Chamber at  
[REDACTED] (CS-C-8247)

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I. IDENTIFICATION:

An anechoic acoustic chamber is a free field sound room in which sound reflections from the chamber boundaries are negligible thus providing a low acoustic ambient as specified by Federal Standard 222.

II. OBJECTIVES:

Agency communications facilities are subject to a constantly advancing signal detection and collection technology which must be countered by continuous and extensive investigations to determine the degree to which our equipment is vulnerable. An anechoic chamber, therefore, is a prerequisite for the performance of acoustic measurements and determination of applicable acoustic COMSEC standards. Immediate implementation is required in order to help formulate field station planning and test criteria for Office of Communication Comcenters.

III. BACKGROUND:

A Facilities Cost Type Contract is in effect with [REDACTED] under Contract 877, Task Order 1, which provides engineering facilities in support of the Special Programs Staff COMSEC program. To achieve unequivocal results from this type of program, a continuity of effort by the engineering personnel as well as related engineering facilities is required.

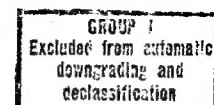
In recognition of the above stated objectives, [REDACTED] 25X1A5a1  
[REDACTED] has submitted a proposal for the Design and Installation of an Acoustic Anechoic Test Chamber at their [REDACTED] facility on a cost-sharing basis.

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OFFICE OF COMMUNICATIONS

RESEARCH AND DEVELOPMENT  
PROJECT APPROVAL

PROJECT:

Design and Installation of an Acoustic Anechoic Chamber at  
[REDACTED] (CS-C-8247)

IV. TECHNICAL SPECIFICATIONS:

The anechoic chamber will have the following specifications:



V. CONTRACTUAL AND FINANCIAL ARRANGEMENTS:

During FY-65 an initial contractual agreement was reached with [REDACTED] through the Office of Logistics, wherein the Agency approved and obligated \$125,000 of FY-65 funds to build an anechoic chamber at [REDACTED]. Subsequent to this agreement, additional technical requirements as recommended by NSA and [REDACTED] of Cambridge, Massachusetts, have altered the original specifications to satisfy the guidelines as set forth in Federal Standard 222. A revised proposal has been received reflecting these changes, increasing the overall cost to both the Agency and [REDACTED]. Additional funds in the amount of \$80,930 are required, which will increase the total cost to the Agency from \$125,000 to \$205,930. [REDACTED] share in this project was initially estimated at \$66,000; their revised estimate cost is now \$131,000, thus increasing the

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OFFICE OF COMMUNICATIONS

RESEARCH AND DEVELOPMENT  
PROJECT APPROVAL

PROJECT:

Design and Installation of an Acoustic Anechoic Chamber at  
[REDACTED] (CS-C-8247)

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overall total project cost to \$336,930. Additional funds in the amount of \$80,930 required by the Agency can be accommodated in the FY-66 program of OC-SPS.

VI. COORDINATION:

This program has been coordinated with the necessary Office of Communications components and with the COMSEC component of NSA. Also, a Staff Study has been prepared which investigated alternate proposals for obtaining a similar test facility. Recommendations favored the present approach as outlined in this Project Approval.

VII. SECURITY:

The Acoustic Anechoic Chamber is UNCLASSIFIED but the association of the project with the Agency is classified SECRET. The project engineer is [REDACTED] extension 511.

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ORIGINATOR:

SIGNED

[REDACTED]  
Director of Communications

25 OCT 1966

Date

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APPROVED :

R. L. Bannerman  
Deputy Director for Support

Date

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